BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

22

Estimate Cost Rs. 1900000.00

Name of Work: Detailed Estimate for the work of Improvements to drains and providing flagging course to 13th to 16th cross roads of Eastern side kondappa layout in ward No-02 of yelahanka Sub division.

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
1	KSRB 2-2.1 : earth work excavation for foundation of buildings, culverts water supply, sanitary line and electrical conduits either in pits or in trenches 1.5m and above in width, in ordinary soil not exceeding 1.5m, in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50m, after breaking of clods complete as per specifications, specification, No. KBS 2.1(a) / 2.3.5, No. 5/ Item No. 2.3/ PWD SR 2014-15	cum							
	desilting of drains 13th cross		1	30.00	0.60	0.30	5.40		
			1	26.00	0.60	0.30	4.68		
	14th cross		1	75.00	0.60	0.30	13.50		
			4	25.00	0.60	0.30	18.00		
			2	60.00	0.60	0.30	21.60		
	16th cross		1	80.00	0.60	0.30	14.40		
			1	25.00	0.60	0.30	4.50		
	culvert		2	6.00	1.50	1.00	18.00		
							100.08	**176.04**	**17618.00**
	Basic Rate	163.00							
	Area Weightage @ 8%	13.04							
	Total	**176.04**							
2	KSRB 100-1 Loading and unloading ofstone aggregates / sand/ kanker/ Moorum /soil KSRRB M100-1 Placing tipper at loading with front end loader dumpting turning for return trip excluding time for haulged and return trip complete as per specification item No 17.1 page 130 and KSRB M.100.4.1 costof haulage excluding loading and unloading MORTH to a distance of 4.00 K.M (Item No 17.4 Page 130 (SR 2014-15)	cum							
			Vide Item No. 1				100.08	79.10	7916.00
	Basic Rate for loading and unloading	63.00							

Sl No	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
	Basic Rate for Haulage upto 4.00 k m =1.28 X 2 X 4	10.24							
		73.24							
	Area Weightage @ 8%	5.86							
	Total	79.10							
3	KSRB 5-14 : Providing and constructing precast concrete solid blocks with compressive strength not les than 35 Kg/sqm with cement mortar 1:4 masonry (quoin, Jamb, closer blocks) with solid concrete blocks of size 40x20x20 cms conforming to I.S: 2185/1965 in superstructure including cost of materials, labour charges, scaffolding, curing complete as per specifications. Page No.25 item No 5.27 SR 2014-15	sqm							
	flagging course 13th cross	1x2	2	30.00		0.20	12.00		
		1x2	2	26.00		0.20	10.40		
	14th cross	1x2	2	75.00		0.40	60.00		
		4x2	8	25.00		0.20	40.00		
		1x2	2	60.00		0.20	24.00		
	16th cross	1x2	2	80.00		0.40	64.00		
		1x2	2	25.00		0.20	10.00		
							220.40	993.60	218989.00
	Basic Rate	920.00							
	Area Weightage @ 8%	73.60							
	Total	993.60							
4	KSRB-4-1.2 : Providing and laying in position plain cement concrete of mix 1:3:6 withOPC cement at 220kgs. with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregates @0.57cum machine mixed, concrete laid in layers not exceeding 15cms. thick, well compacted, in foundation and plinth, including cost of all matenals, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1.4.2, No. 12/ Item No. 4.2/ PWD SR 2014-15	Cum							
	culvert		2	6.00	1.50	0.15	2.70		
							2.70	5064.12	13673.00
	Basic Rate	4689.00							
	Area Weightage @ 8%	375.12							
	Total	5064.12							

	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
	KSRB 4.2.2 Providing and laying in position plain cement concrete of mix M20 withOPC cement @ 320kgs, with 20mm and down size graded granite metal coarse aggregates @0.69cum and fine aggregates @0.460cum with superplastesisre @ 3lts conforming to IS9103-1999Reflirmed machine mixed exceeding 15cms thick, vibrated for all works in foundation plinth and ground floor level for roof slabs, staircase, **lintels, retaining walls, return walls, walls(any thickness) including attached plasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc,** including cost of all materials, labour HOM of machinery, curing, complete as per specifications. Specification. No. KBS 4.1,4.6, No. KBS 4.1,4.6, No. 13/ Item No. 4.11/ PWD SR 2014-15	Cum							
	coping 13lh cross	1x2	2	30.00	0.20	0.075	0.90		
		1x2	2	26.00	0.20	0.075	0.78		
	14th cross	1x2	2	75.00	0.20	0.075	2.25		
		4x2	8	25.00	0.20	0.075	3.00		
		1x2	2	60.00	0.20	0.075	1.80		
	16th cross	1x2	2	80.00	0.20	0.075	2.40		
		1x2	2	25.00	0.20	0.075	0.75		
	for vent		1	30.00	0.60	0.075	1.35		
			1	75.00	0.60	0.075	3.38		
			1	80.00	0.60	0.075	3.60		
			1	26.00	0.60	0.075	1.17		
			4	25.00	0.60	0.075	4.50		
			1	60.00	0.60	0.075	2.70		
	for culvert		2	6.00	1.20	0.23	3.31		
	side walls		4	6.00	0.23	0.70	3.86		
	deck		2	6.00	1.20	0.23	3.31		
							39.06	6065.28	236928.00
	Basic Rate	5616.00							
	Area Weightage @ 8%	449.28							
	Total	6065.28							

	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
	KSRB 4.9.2:providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost pf materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 4.6.3 Page No. 19/ Item No. 4.46/ PWD SR 2014-15	Quintal							
	90 kg/cum for culvert		0.900	10.49			9.44		
							9.44	**7254.80**	**68480.00**
	Basic Rate	7254.80							
6	KSRB 4-5.4 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walls at any thickness, attached pilasters,bittresses,buttresses plinth and string course including cost of all materials, labour complete as per specifications. Specification NO KBS 4.6.2 Page No. 15/ Item No. 4.31/ PWD SR 2014-15	sqm							
	side walls	2x4	8	6.00		0.70	33.60		
	deck	2x1	2	6.00	1.20		14.40		
							48.00	**292.68**	**14049.00**
	Basic Rate	271.00							
	Area Weightage @ 8%	21.68							
	Total	**292.68**							
7	RCC Precast covering slab for drain (10cm thick)	sqm							
	coping 13th cross		1	30.00	0.90		27.00		
			1	26.00	0.90		23.40		
	14th cross		1	75.00	0.90		67.50		
			4	25.00	0.90		90.00		
			1	60.00	0.90		54.00		

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Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
	16th cross		1	80.00	0.90		72.00		
			1	25.00	0.90		22.50		
	existing drain		1	30.00	0.90		27.00		
							383.40	1498.00	574333.00
	Rate Approved by BBMP	1498.00							
8	KSRRB M/600-6: cement concrete pavement construction unreinforced plain cement concrete pavement, thickness as per design, over a prepared sub base with 43 grade cement or any other type as per clause 1051.2.2M20/M30 at 360/450 kg per cum, coarse and fine aggregate conforming to IS: 383, maximum size of coarse aggregate not exceeding 25mm, mixed in a concrete mixer of not less than 0.6 cum capacity and appropriate weigh batcher as per approved mix design, laid in approved fixed side form work (steel channel laying and fixing of 125 micron thick polythene film, wedges, steel plates including leveling the form work as per drawing.), spreading the concrete with shovels, rackers compacted using needle, screed and plate vibrator and finished in a continuous operation including provision of contraction, expansion, construction and longitudinal joints, joint filler, separation membrane, selant primer, joint sealent, admixtures as approved curing compound, finishing to lines and grade as per drawing complete as per specification M30(at 360kg per cum coarse aggregate @ 0.69cum and fine aggregare @ 0.45cum). . No. 171/ Item No. 22.6.1 SR 2014-15	Cum							
	for road		2	150.00	3.00	0.10	90.00		
			1	50.00	3.00	0.10	15.00		
	Basic Rate	5460.00					105.00	5896.80	619164.00
	Area Weightage @ 8%	436.80							
	Total	5896.80							
9	Vaccum De- writing with vaccum pump and suction mat and compaction with skin flater clubbed with floatiog disc including cost of generator, HOM of machinery Sereed Vibratory Power Floaterblade and diisc etc. with all lead and lift. Page No 171 Item No 22.7 SR 2014-15	Sqm							
			2	150.00	3.00		900.00		
			1	50.00	3.00		150.00		
	Basic Rate	90.00					1050.00	97.20	102060.00
	Area Weightage @ 8%	7.20							
	Total	97.20							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
10	Providing groove cutting for width of 5mm to 100m depth 80mm-100 including cost of cutting machine, generatoe & HOM of machinery, including cost of blade, coolant etc., including cleaning of groove & providing sand and hot birumen fillars, and filler metal etc., including cost of conveyance of all materials,. Labour, lead and lift charges and all other incidental charges as per drawing and as per specifications. do- for concrete pavement Item no 22.8.1 Page No 178 SR 2014-15	Rmt							
	for cc road		20	3.00			60.00		
			0	3.00			0.00		
	Basic Rate	115.00					60.00	124.20	7452.00
	Area Weightage @ 8%	9.20							
	Total	124.20							
11	1% of Quality control charges								19000.00
12	Miscellaneous charges								338.00
								Total	1900000.00

(Rupees Ninteen lakhs Only)

CERTIFICATE

1 The work spot has been inspected and the work is found necessary.
2 This estimate is prepared as per C.S.R. of 2014-15.
3 The provisions were made in this estimate are necessary and adequate.
4 This works come under B.B.M.P. limits.

Assistant Engineer

Assistant Executive Engineer
Yelahanka Sub Division
Bangalore-64

Executive Engineer
Yelahanka Division
Bangalore-64

Administrative Sanction for Rs. 19.00 Lacs
Nineteen Lakhs
Only
is accorded under head P.1771
2014-15

Registered as CE No. 5 Subject to conditions contained in enclosed memo No. CE/YeL/AA/43/14-15

AE/JE TA CE(YNK)

TECHNICALLY SANCTIONED FOR Rs. 19.00L
Rupees Nineteen Lakh
Only
Under P.1771
2014-15
Registered as CE ( ) No 9 9
Subject to conditions contained in enclosed memo EE ( ) No. /9/
Dt. Estimate / Sanctioned
CE/YNK/TS/47/14-15 No.
Dated 28.10.14 Rs. 19.00 Lac

Executive Engineer

NAME OF WORK: IMPROVEMENTS TO DRAINS & FLAGGING COURSE TO 13th TO 16th CROSS ROADS OF EASTERN SIDE KONDAPPA LAYOUT, IN WARD 02 OF YNK SUB DIVISION

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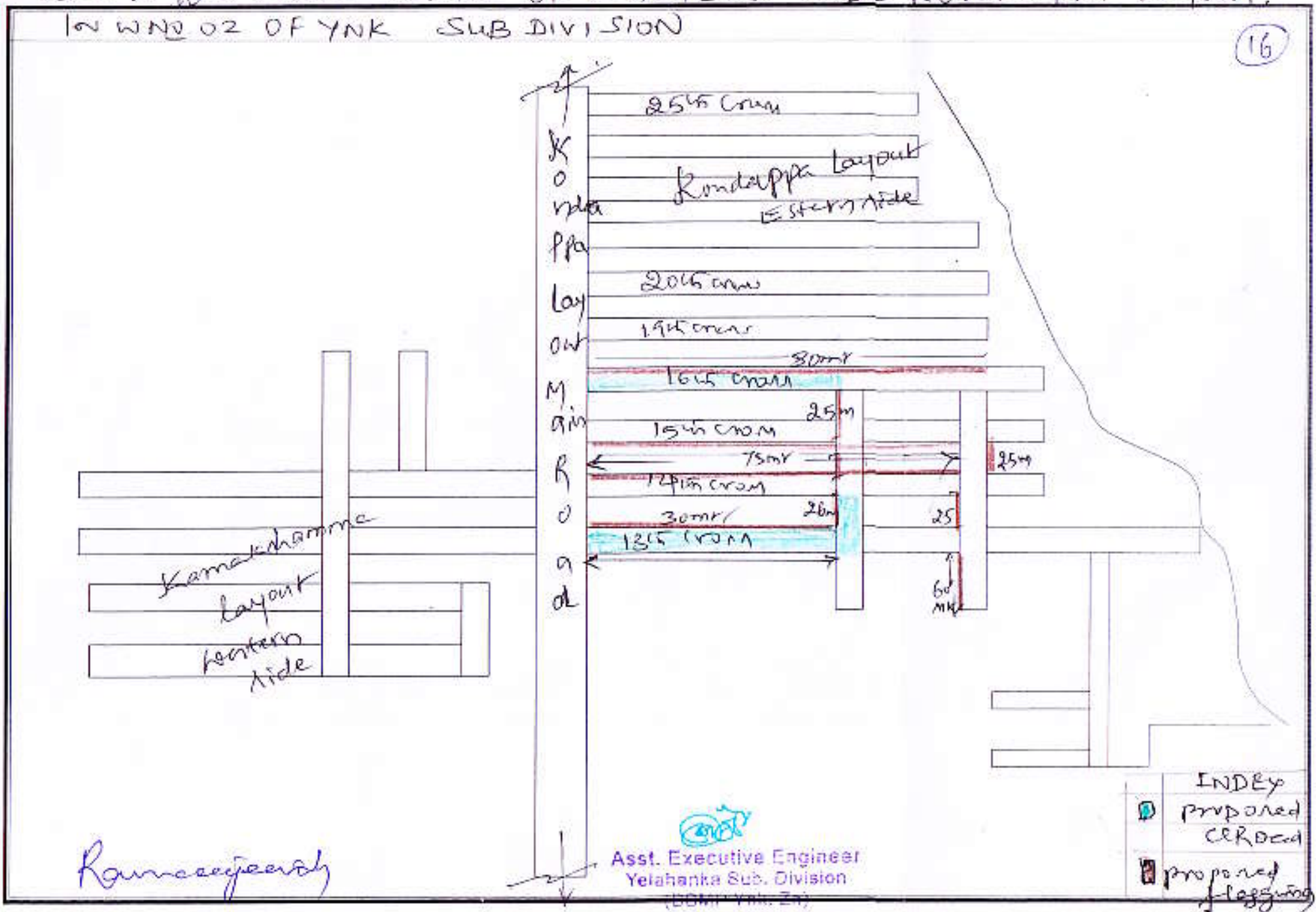

Asst. Executive Engineer
Yelahanka Sub. Division
(BBMP YNK. Zn)
Yelahanka, Bangalore